

Fig. 1

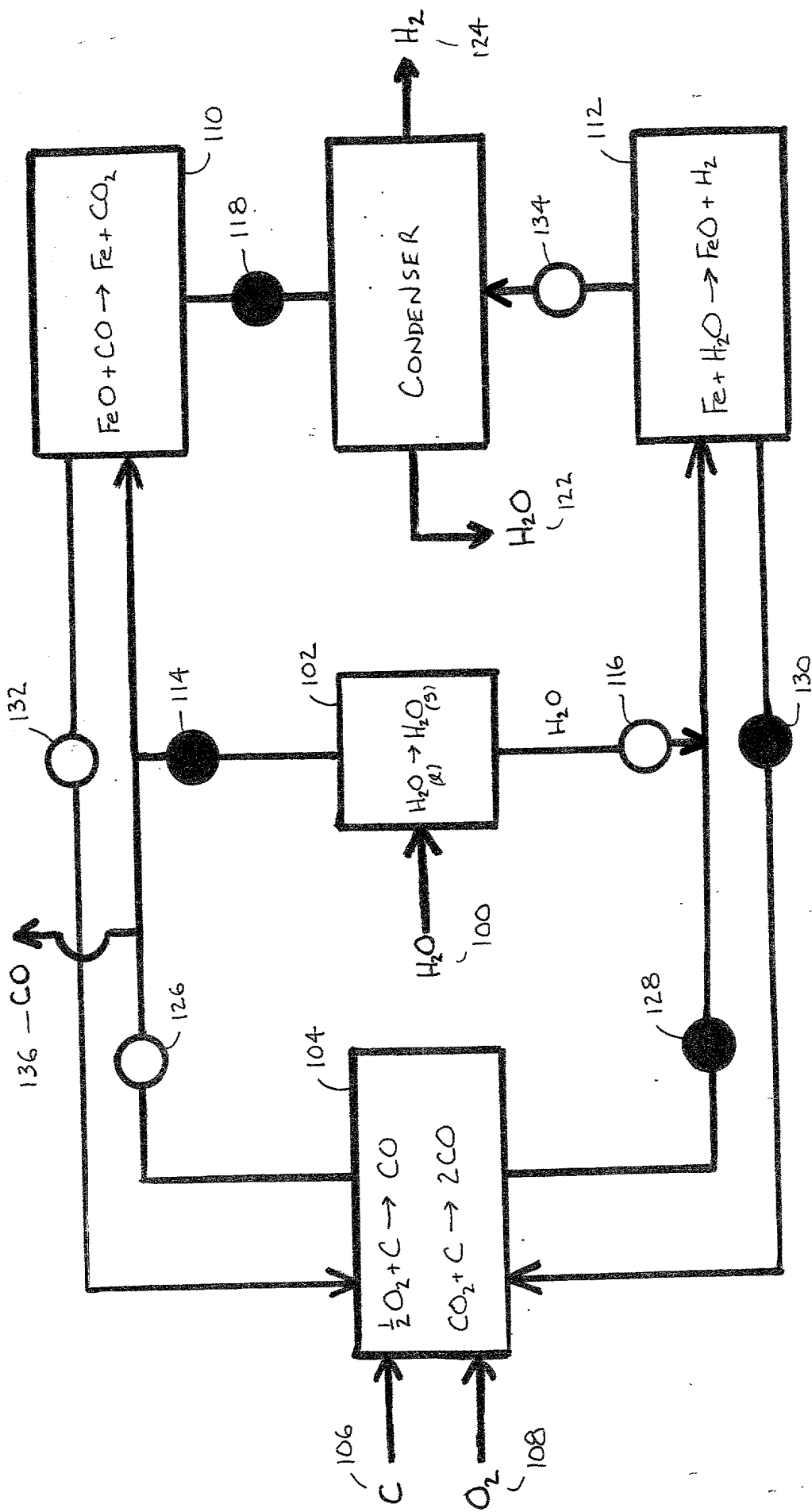


Fig. 2

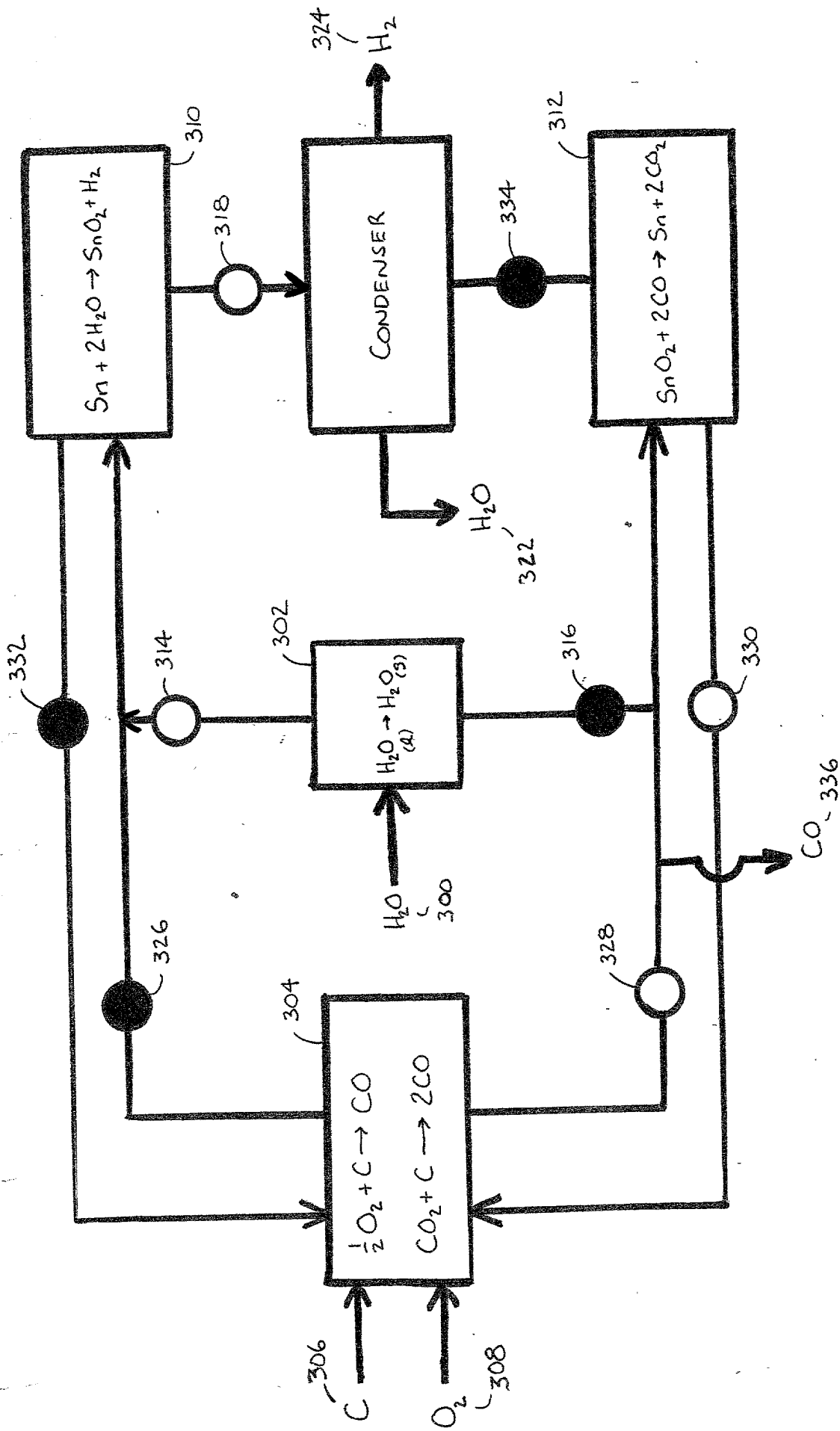


Fig. 3

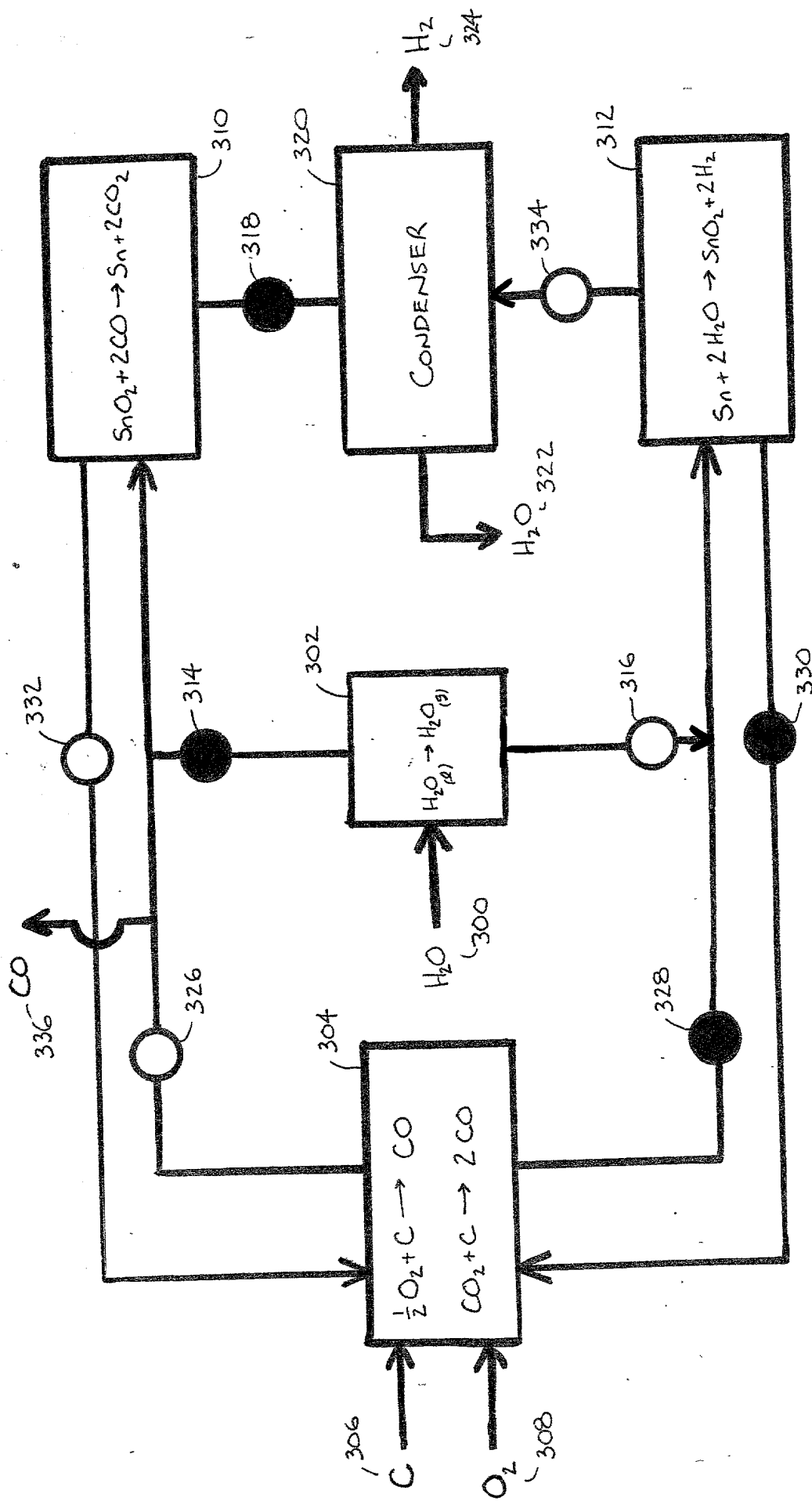


Fig. 4

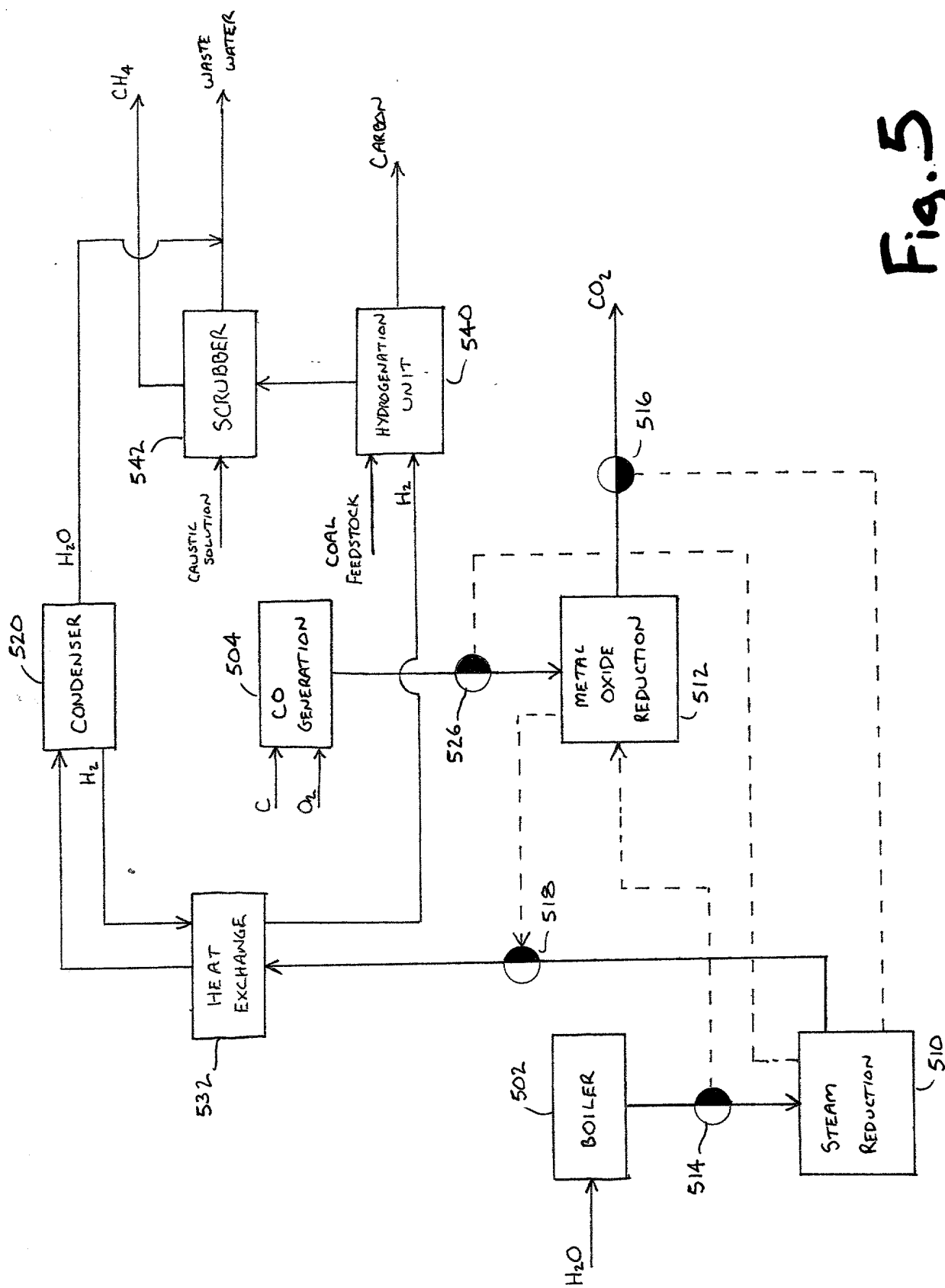


Fig. 5.

FIG. 6 is a schematic diagram of a process for the production of hydrogen gas from a feedstock, such as coal, and water. The process involves the generation of carbon monoxide (CO) from the feedstock and water, the reduction of the CO to hydrogen gas, and the purification of the hydrogen gas. The process is shown in a flow diagram with various units and streams.

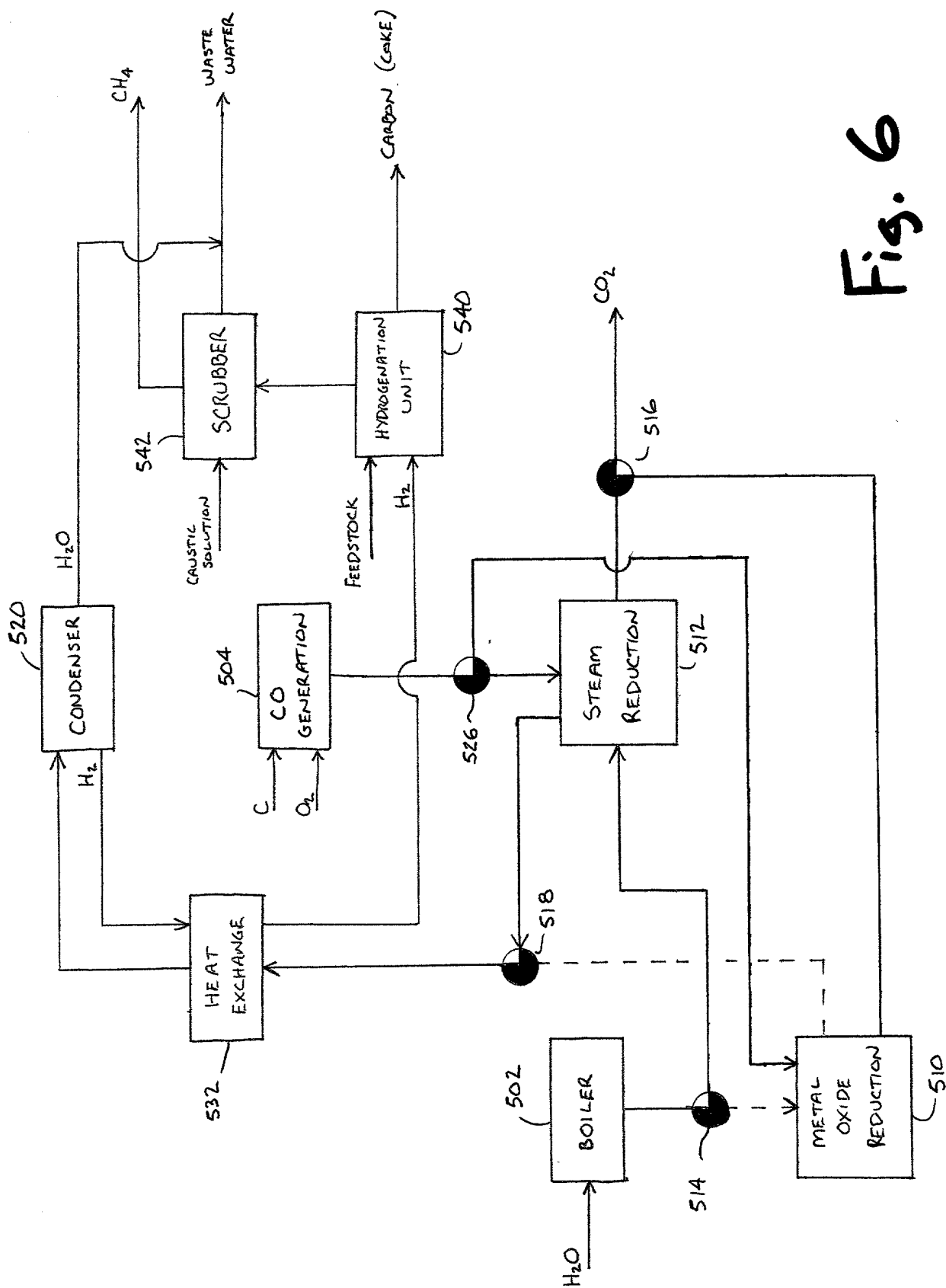


Fig. 6

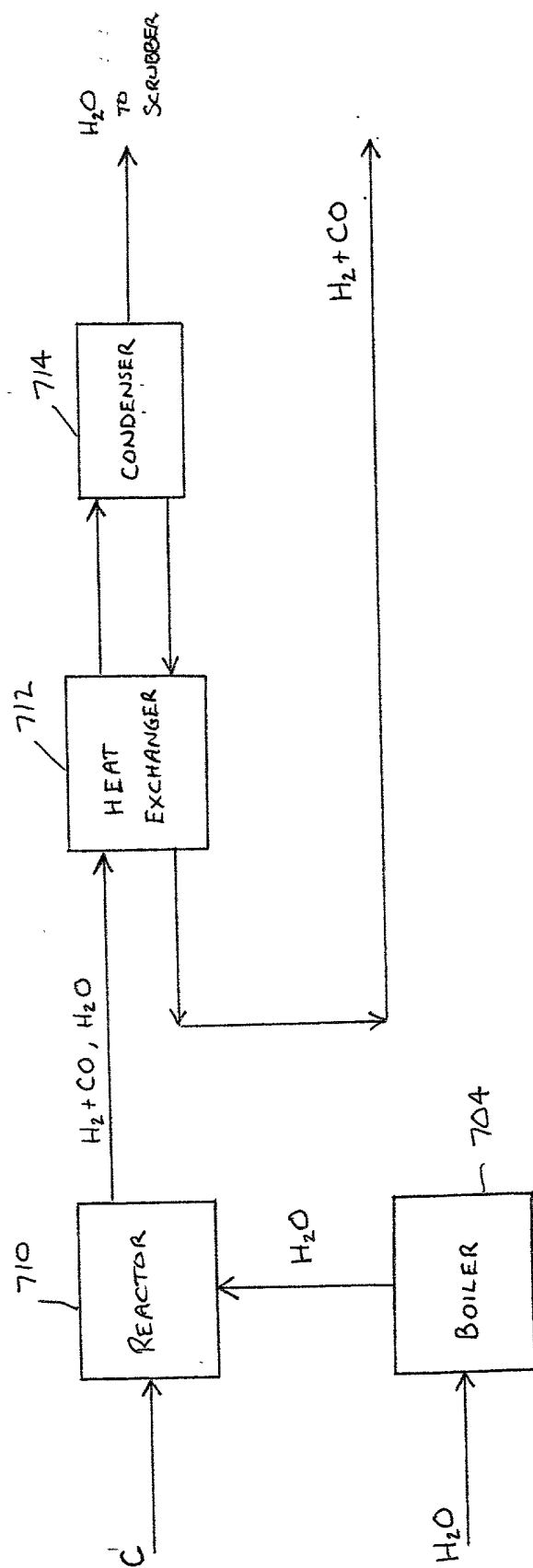


Fig. 7

FIG. 8 is a schematic diagram of a process for producing hydrogen gas from coal.

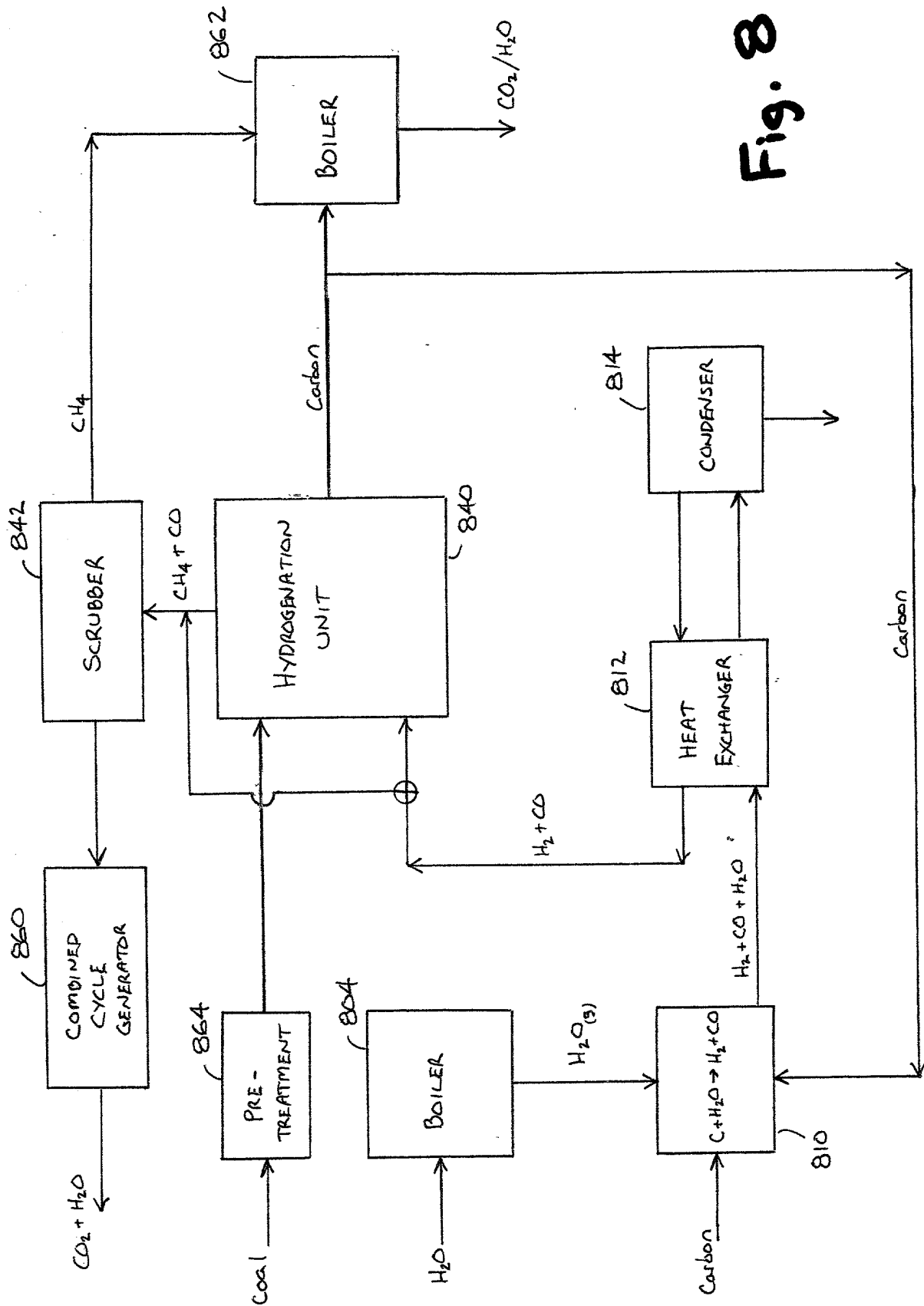


Fig. 8